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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/718,906	11/21/2003	Kevin Cable	BRP-56	1643
44728	7590	07/01/2005	EXAMINER	
J. BENNETT MULLINAX, LLC P. O. BOX 26029 GREENVILLE, SC 29616-1029			TARAZANO, DONALD LAWRENCE	
			ART UNIT	PAPER NUMBER
			1773	
DATE MAILED: 07/01/2005				

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/718,906

Applicant(s)

CABLE, KEVIN

Examiner

D. Lawrence Tarazano

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 4/05/05.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-4, 11-15, 19-21, 23, 24 and 28 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) 21, 23 and 24 is/are allowed.
- 6) ☒ Claim(s) 1-4, 11-15, 19, and 20 is/are rejected.
- 7) ☐ Claim(s) 28 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 21 November 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

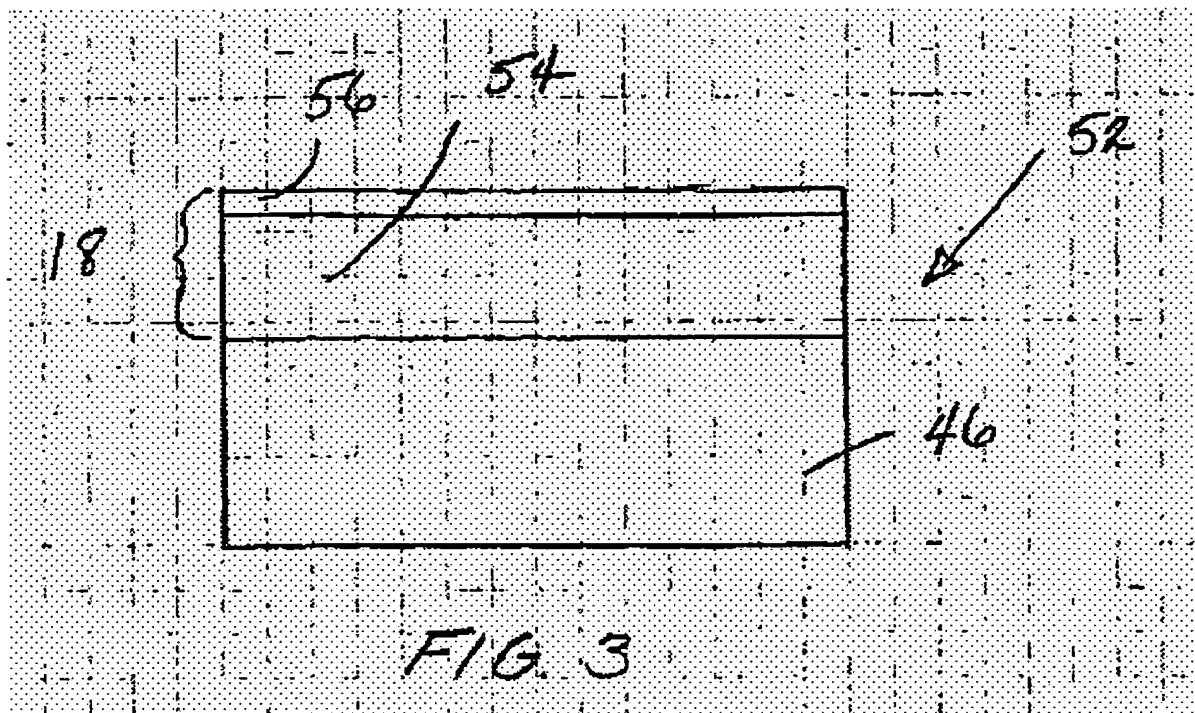
1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 4/4/05 has been entered.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-4, 11, 12, and 19-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Gu (2002/0187333).



Gu teaches multilayer coextruded structures (18) comprising cellulose substrate (46) [0048, including paperboard]. The coextruded film (18) may contain talc or calcium carbonate [0056]. Sublayer (54) contains polypropylene materials [0050], and the surface layer (56) may contain heat sealable materials such as EXACT™ or AFFINITY™ (LLDPE, polyethylene) [0052]. It would have been obvious to one having ordinary skill in the art to have varied the amount of filler present in the films dependent of the end use of the film.

4. Claims 1-7, 11-15, and 19-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Castle et al (2002/0051873).

5. Castle et al. teach paperboard packaging having a single polymer layer predominately comprising LDPE. The polymer layer may also contain filler in the blend to increase the stiffness or barrier properties of the laminate [0018]. They specifically describe a blend of

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LDPE, nylon and calcium carbonate [0018]. Objects such as milk cartons are made from the laminate (example 3). The examiner notes that LDPE is a heat sealable material.

6. It would have been obvious to one having ordinary skill in the art at the time the invention was made to added filler to the compositions taught by Castle et al. in order to produce carton structures with increased stiffness.

7. Regarding claim 20, it would have been obvious to one having ordinary skill in the art at the time the invention was made to have coated both sides of the structure so that both sides of the surface would be protected from moisture. The applicants' claimed 20-35%, and this amount would be clearly possible in Castle et al. as the amount of filler is related to the stiffness of the end product and there is no showing of criticality with respect to the amount claimed.

Allowable Subject Matter

8. Claims 21, 23, and 24 are allowed. The prior art does not suggest the claimed multilayer structure having at least 3 layers on the paperboard substrate in which the surface (heat sealable layer) comprises a polyolefin coating comprising 20 to 30% of an essential oil scalping reducer comprising an inorganic additive.

9. Claim 28 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. Claim 28 recites a package comprising a citrus beverage. This combination is not suggested.

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Response to Arguments

10. Applicant's arguments filed 04/04/05 have been fully considered but they are not persuasive.

11. While the applicants state that 20-35% filler is needed to provide the claimed "anti-scalping" effect, the applicant's showing is not commensurate in scope with the generic claims. There are a lot of different types of fillers listed in the prior art and a number of different types of polymers, there is no indication of unexpected results for the breath of the claims.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to D. Lawrence Tarazano whose telephone number is (571)-272-1515. The examiner can normally be reached on 8:30 to 6:00 (off every other Friday).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Carol Chaney can be reached on (571)-272-1284. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

D. Lawrence Tarazano

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Primary Examiner
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A handwritten signature, likely of the Primary Examiner, consisting of stylized initials or a monogram enclosed within a circular or oval shape.